

09890479

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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS	4	Feb 24	TEMA now available on STN
NEWS	5	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	6	Feb 26	PCTFULL now contains images
NEWS	7	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS	8	Mar 24	PATDPAFULL now available on STN
NEWS	9	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS	10	Apr 11	Display formats in DGENE enhanced
NEWS	11	Apr 14	MEDLINE Reload
NEWS	12	Apr 17	Polymer searching in REGISTRY enhanced
NEWS	13	Jun 13	Indexing from 1947 to 1956 added to records in CA/CAPLUS
NEWS	14	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS	15	Apr 28	RDISCLOSURE now available on STN
NEWS	16	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS	17	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS	18	May 15	Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS	19	May 19	Simultaneous left and right truncation added to WSCA
NEWS	20	May 19	RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS	21	Jun 06	Simultaneous left and right truncation added to CBNB
NEWS	22	Jun 06	PASCAL enhanced with additional data
NEWS	23	Jun 20	2003 edition of the FSTA Thesaurus is now available
NEWS	24	Jun 25	HSDB has been reloaded
NEWS EXPRESS			April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 20:03:18 ON 11 JUL 2003

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 20:03:25 ON 11 JUL 2003

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STRUCTURE FILE UPDATES: 10 JUL 2003 HIGHEST RN 546060-09-7

DICTIONARY FILE UPDATES: 10 JUL 2003 HIGHEST RN 546060-09-7

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

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Uploading 09890479b.str

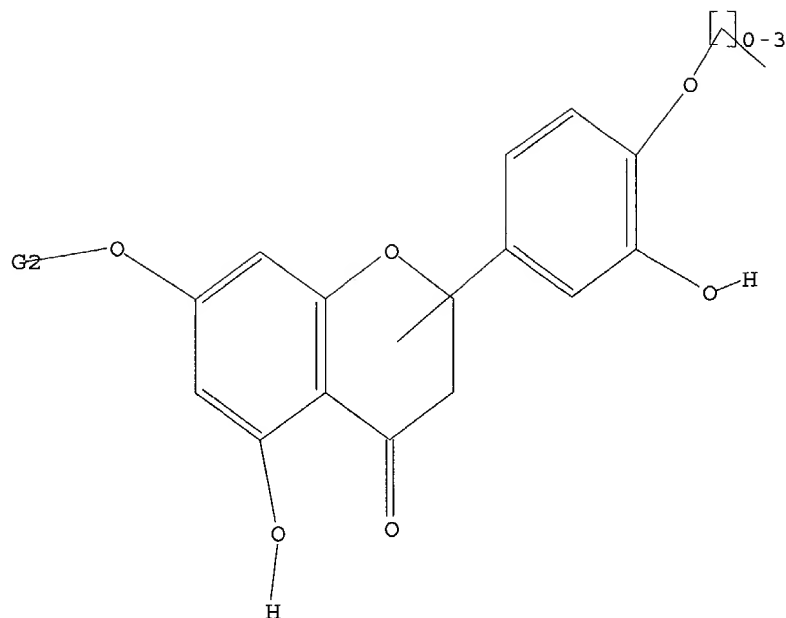
L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR

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G1 H,S,P

G2 S,P

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 20:03:44 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 144 TO ITERATE

100.0% PROCESSED 144 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 2161 TO 3599

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 20:03:47 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 3243 TO ITERATE

100.0% PROCESSED 3243 ITERATIONS

2 ANSWERS

SEARCH TIME: 00.00.01

L3 2 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

148.15

148.36

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FILE 'CAPLUS' ENTERED AT 20:03:51 ON 11 JUL 2003
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FILE COVERS 1907 - 11 Jul 2003 VOL 139 ISS 3
FILE LAST UPDATED: 10 Jul 2003 (20030710/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3 full
L4 1 L3

=> d l4 ibib abs hitstr

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:535149 CAPLUS
DOCUMENT NUMBER: 133:144903
TITLE: Hesperitin pro-forms with enhanced bioavailability, their preparation, and their therapeutic use
INVENTOR(S): Zielinski, Jan E.
PATENT ASSIGNEE(S): Zielinski Laboratory, USA
SOURCE: PCT Int. Appl., 23 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000044757	A1	20000803	WO 2000-US1923	20000126
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
CA 2358967	AA	20000803	CA 2000-2358967	20000126
EP 1155021	A1	20011121	EP 2000-904573	20000126
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			

09890479

JP 2002535410 T2 20021022 JP 2000-596013 20000126
PRIORITY APPLN. INFO.: US 1999-117567P A2 19990127
US 1999-118198P A2 19990201
WO 2000-US1923 W 20000126

OTHER SOURCE(S): MARPAT 133:144903

AB Hydrophilic and lipophilic hesperitin pro-forms are provided. A pharmaceutical compn. is provided which is suitable for topical or oral administration in an individual, the compn. comprising a hydrophilic hesperetin pro-form and a pharmaceutically acceptable carrier. A pharmaceutical compn. is also provided which is suitable for topical or oral administration in an individual, the compn. including a lipophilic hesperetin pro-form and a pharmaceutically acceptable carrier. A method is provided for treating a subject having or at risk of having a cell proliferative disorder, including administering to the subject a therapeutically effective amt. of a hesperetin pro-form.

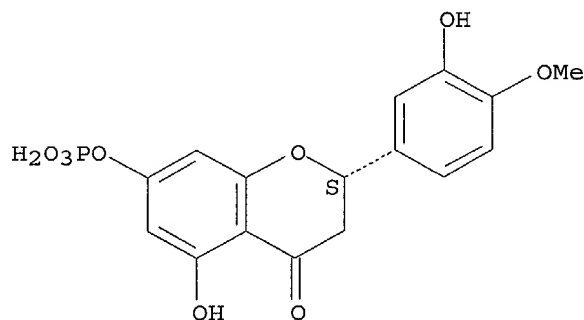
IT 287109-33-5P 287109-35-7P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(hesperitin pro-forms with enhanced bioavailability, prepn., and therapeutic use)

RN 287109-33-5 CAPLUS

CN 4H-1-Benzopyran-4-one, 2,3-dihydro-5-hydroxy-2-(3-hydroxy-4-methoxyphenyl)-7-(phosphonoxy)-, monosodium salt, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



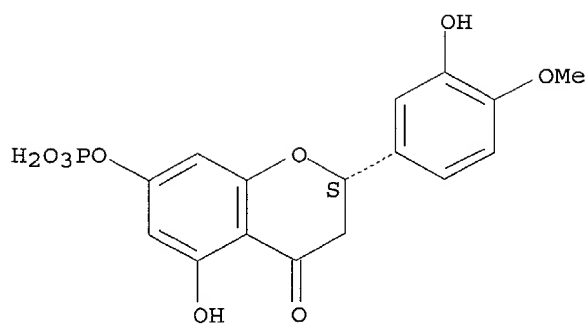
● Na

RN 287109-35-7 CAPLUS

CN 4H-1-Benzopyran-4-one, 2,3-dihydro-5-hydroxy-2-(3-hydroxy-4-methoxyphenyl)-7-(phosphonoxy)-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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REFERENCE COUNT:

2

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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NEWS EXPRESS			April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 20:05:23 ON 11 JUL 2003

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 20:05:31 ON 11 JUL 2003

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STRUCTURE FILE UPDATES: 10 JUL 2003 HIGHEST RN 546060-09-7

DICTIONARY FILE UPDATES: 10 JUL 2003 HIGHEST RN 546060-09-7

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

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Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STN Note 27, Searching Properties in the CAS Registry File, for complete details:

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=>

Uploading 09890479c.str

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR

G2 S, P

```
=> s ll sss sam
SAMPLE SEARCH INITIATED 20:05:48 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      150 TO ITERATE
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FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:   2266 TO      3734
PROJECTED ANSWERS:      0 TO        0

```

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=> s ll full
FULL SEARCH INITIATED 20:05:52 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 3329 TO ITERATE
```

L3 3 SEA SSS FUL L1

Page 3

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FILE 'CAPLUS' ENTERED AT 20:05:56 ON 11 JUL 2003
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FILE COVERS 1907 - 11 Jul 2003 VOL 139 ISS 3
FILE LAST UPDATED: 10 Jul 2003 (20030710/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3 full
L4 2 L3

=> d l4 1-2 ibib as hitstr
'AS' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

The following are valid formats:

ABS ----- GI and AB
ALL ----- BIB, AB, IND, RE
APPS ----- AI, PRAI
BIB ----- AN, plus Bibliographic Data and PI table (default)
CAN ----- List of CA abstract numbers without answer numbers
CBIB ----- AN, plus Compressed Bibliographic Data
DALL ----- ALL, delimited (end of each field identified)
DMAX ----- MAX, delimited for post-processing
FAM ----- AN, PI and PRAI in table, plus Patent Family data
FBIB ----- AN, BIB, plus Patent FAM
IND ----- Indexing data
IPC ----- International Patent Classifications
MAX ----- ALL, plus Patent FAM, RE
PATS ----- PI, SO
SAM ----- CC, SX, TI, ST, IT
SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;
 SCAN must be entered on the same line as the DISPLAY,
 e.g., D SCAN or DISPLAY SCAN)
STD ----- BIB, IPC, and NCL

IABS ----- ABS, indented with text labels
IALL ----- ALL, indented with text labels
IBIB ----- BIB, indented with text labels
IMAX ----- MAX, indented with text labels
ISTD ----- STD, indented with text labels

OBIB ----- AN, plus Bibliographic Data (original)

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OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations

SIBIB ----- IBIB, no citations

HIT ----- Fields containing hit terms

HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)
containing hit terms

HITRN ----- HIT RN and its text modification

HITSTR ----- HIT RN, its text modification, its CA index name, and
its structure diagram

HITSEQ ----- HIT RN, its text modification, its CA index name, its
structure diagram, plus NTE and SEQ fields

FHITSTR ----- First HIT RN, its text modification, its CA index name, and
its structure diagram

FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
structure diagram, plus NTE and SEQ fields

KWIC ----- Hit term plus 20 words on either side

OCC ----- Number of occurrence of hit term and field in which it occurs

To display a particular field or fields, enter the display field codes. For a list of the display field codes, enter HELP DFIELDS at an arrow prompt (=>). Examples of formats include: TI; TI,AU; BIB,ST; TI,IND; TI,SO. You may specify the format fields in any order and the information will be displayed in the same order as the format specification.

All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR, FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC to view a specified Accession Number.

ENTER DISPLAY FORMAT (BIB):bib

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS

AN 2000:535149 CAPLUS

DN 133:144903

TI Hesperitin pro-forms with enhanced bioavailability, their preparation, and their therapeutic use

IN Zielinski, Jan E.

PA Zielinski Laboratory, USA

SO PCT Int. Appl., 23 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000044757	A1	20000803	WO 2000-US1923	20000126
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	CA 2358967	AA	20000803	CA 2000-2358967	20000126
	EP 1155021	A1	20011121	EP 2000-904573	20000126
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,			

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IE, SI, LT, LV, FI, RO
JP 2002535410 T2 20021022 JP 2000-596013 20000126
PRAI US 1999-117567P A2 19990127
US 1999-118198P A2 19990201
WO 2000-US1923 W 20000126

OS MARPAT 133:144903

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS
AN 1977:439056 CAPLUS
DN 87:39056
TI Dihydrochalcone sweeteners. Synthesis and sensory evaluation of sulfonate derivatives
AU DuBois, Grant E.; Crosby, Guy A.; Stephenson, Rebecca A.; Wingard, Robert E., Jr.
CS Chem. Synth. Lab., Dynapol, Palo Alto, CA, USA
SO Journal of Agricultural and Food Chemistry (1977), 25(4), 763-72
CODEN: JAFCAU; ISSN: 0021-8561
DT Journal
LA English

=> d l4 1-2 ibib abs hitstr

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:535149 CAPLUS
DOCUMENT NUMBER: 133:144903
TITLE: Hesperitin pro-forms with enhanced bioavailability, their preparation, and their therapeutic use
INVENTOR(S): Zielinski, Jan E.
PATENT ASSIGNEE(S): Zielinski Laboratory, USA
SOURCE: PCT Int. Appl., 23 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000044757	A1	20000803	WO 2000-US1923	20000126
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
CA 2358967	AA	20000803	CA 2000-2358967	20000126
EP 1155021	A1	20011121	EP 2000-904573	20000126
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
JP 2002535410	T2	20021022	JP 2000-596013	20000126
PRIORITY APPLN. INFO.:			US 1999-117567P A2	19990127
			US 1999-118198P A2	19990201
			WO 2000-US1923 W	20000126

09890479

OTHER SOURCE(S): MARPAT 133:144903

AB Hydrophilic and lipophilic hesperitin pro-forms are provided. A pharmaceutical compn. is provided which is suitable for topical or oral administration in an individual, the compn. comprising a hydrophilic hesperetin pro-form and a pharmaceutically acceptable carrier. A pharmaceutical compn. is also provided which is suitable for topical or oral administration in an individual, the compn. including a lipophilic hesperetin pro-form and a pharmaceutically acceptable carrier. A method is provided for treating a subject having or at risk of having a cell proliferative disorder, including administering to the subject a therapeutically effective amt. of a hesperetin pro-form.

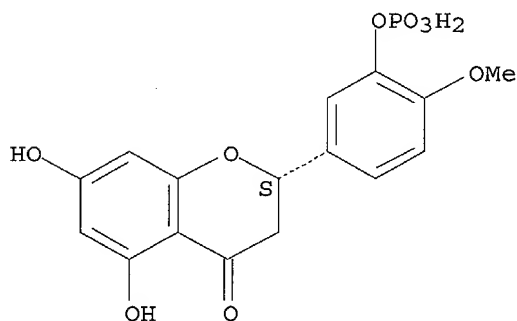
IT 287109-34-6P 287109-36-8P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(hesperitin pro-forms with enhanced bioavailability, prepn., and therapeutic use)

RN 287109-34-6 CAPLUS

CN 4H-1-Benzopyran-4-one, 2,3-dihydro-5,7-dihydroxy-2-[4-methoxy-3-(phosphonooxy)phenyl]-, monosodium salt, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

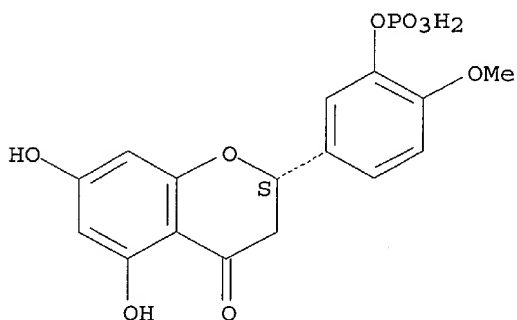


● Na

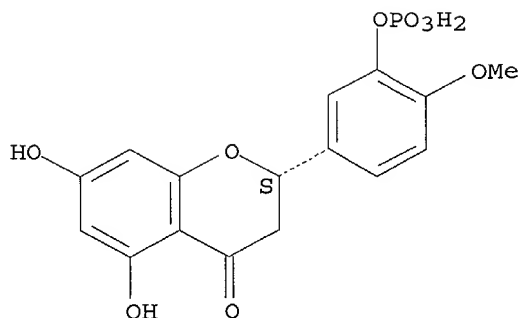
RN 287109-36-8 CAPLUS

CN 4H-1-Benzopyran-4-one, 2,3-dihydro-5,7-dihydroxy-2-[4-methoxy-3-(phosphonooxy)phenyl]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



09890479



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1977:439056 CAPLUS

DOCUMENT NUMBER: 87:39056

TITLE: Dihydrochalcone sweeteners. Synthesis and sensory evaluation of sulfonate derivatives

AUTHOR(S): DuBois, Grant E.; Crosby, Guy A.; Stephenson, Rebecca A.; Wingard, Robert E., Jr.

CORPORATE SOURCE: Chem. Synth. Lab., Dynapol, Palo Alto, CA, USA

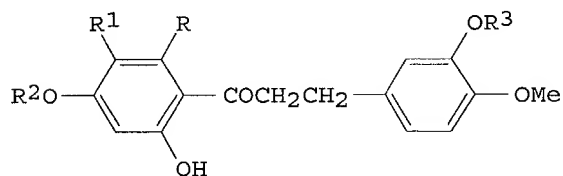
SOURCE: Journal of Agricultural and Food Chemistry (1977), 25(4), 763-72

CODEN: JAFCAU; ISSN: 0021-8561

DOCUMENT TYPE: Journal

LANGUAGE: English

GI



I

AB Hesperetin was cleaved and O-alkylated, sulfonated, and sulfomethylated to give fourteen dihydrochalcones I [R = OH, H, OMe, OCH₂Ph, O(CH₂)₃SO₃K; R₁ = H, SO₃Na, CH₂SO₃K; R₂ = .omega.-sulfoalkyl (alkali salt), H; R₃ = H, SO₃Na], which showed their usefulness as sweeteners.

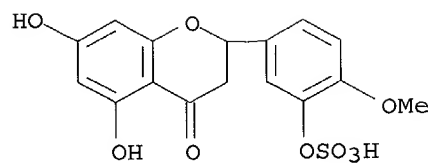
IT 63240-72-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (prepn. and ring cleavage of)

RN 63240-72-2 CAPLUS

CN 4H-1-Benzopyran-4-one, 2,3-dihydro-5,7-dihydroxy-2-[4-methoxy-3-(sulfooxy)phenyl]-, monosodium salt (9CI) (CA INDEX NAME)

09890479



● Na